

## Special Issue

# Analysis of Molecular Genetic Mechanism of Wood Development

### Message from the Guest Editor

Wood plays a crucial role in the growth and survival of plants, as well as being a vital resource for human life. Understanding the molecular mechanisms of wood development is essential for advancing our knowledge of the formation and properties of wood, improving the quality and yield of forest trees.

In recent years, advances in molecular biology and omics technologies have enriched our understanding of the fundamental processes and regulatory networks involved in plant development. The application of gene editing technologies enables scientists to precisely manipulate plant genes, thereby are expected to drive future progress in plant breeding and genetic improvement. Certainly, these breakthroughs helped us study tree-specific traits .

This special issue intends to bring forward the latest research in genetic and environmental/hormonal signals regulation of wood development across different tree species, discussing the molecular mechanisms that determine cambial development, vascular tissue formation, and cell wall biosynthesis. All types of original papers, such as original research articles and reviews, are welcome.

### Guest Editor

Prof. Dr. Keming Luo

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### Deadline for manuscript submissions

closed (31 January 2024)



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### Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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### Editor-in-Chief

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